

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/038108

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B01F17/00 B01F17/12 B01F17/16 B01F17/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 670 081 A (VICKERMAN ET AL) 23 September 1997 (1997-09-23) cited in the application column 1, lines 10-28 column 2, lines 30-57 column 16, lines 4,5 column 22, lines 40-45 claims 1,57,61,62; example 1 -----	1-18
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 030 (C-678), 19 January 1990 (1990-01-19) & JP 01 266200 A (KAO CORP), 24 October 1989 (1989-10-24) abstract ----- -/-	1-18

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search

15 March 2005

Date of mailing of the International search report

22/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 808 131 A (OTTO F,US ET AL) 30 April 1974 (1974-04-30) column 1, line 68 - column 2, line 24 column 3, lines 1-9 claim 1 _____	1-18
A	WO 96/35765 A (EXXON RESEARCH & ENGINEERING COMPANY; STADTMILLER, WILLIAM, H) 14 November 1996 (1996-11-14) page 2, lines 3-8 page 3, lines 23-32 page 5, lines 8-30 table 1 _____	1-18

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## Information on patent family members

International Application No  
PCT/US2004/038108

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
US 5670081	A 23-09-1997		AU 682544 B2 AU 7916494 A CA 2137529 A1 DE 69420933 D1 DE 69420933 T2 EP 0657522 A2 ES 2139717 T3 JP 7233389 A SG 55045 A1		09-10-1997 22-06-1995 09-06-1995 04-11-1999 18-05-2000 14-06-1995 16-02-2000 05-09-1995 21-12-1998
JP 01266200	A 24-10-1989		JP 2516400 B2		24-07-1996
US 3808131	A 30-04-1974		US 3624115 A		30-11-1971
WO 9635765	A 14-11-1996		WO 9635765 A1 CA 2217851 A1		14-11-1996 14-11-1996